

SOFTWARE AND DATA FILE UPDATING PROCESS

Abstract

A file updating process where a seed file is to be updated or revised to match a target file utilizes cached checking data to increase efficiency. Initially, target file checking data for one or more blocks of the target file are generated. These target file checking data are then stored to cache memory. In a similar manner, seed file checking data corresponding to one or more blocks of the seed file are generated. Then, during the updating process, the seed file checking data are compared with the target file checking data stored in memory to identify any differences between blocks of the seed file and blocks of the target file. If any differences are identified, the old seed file blocks are replaced with newly downloaded target file blocks. Alternatively, the old seed file blocks may be reconstructed in a manner such that they match the target file blocks.